

LEYKIN, Abram Yefimovich; POROTSKIY, Efroim Solomonovich; RODIN,
Boris Iosifovich; SAMOKHOTSKIY, A.I., inzh., retsenzent;
ZOL'NIKOVA, N.K., inzh., retsenzent; ROMADIN, K.P.,
kand. tekhn. nauk, red.

[Aircraft materials] Aviatsionnoe materialovedenie. Mo-
skva, Mashinostroenie, 1964. 458 p. (MIRA 17:12)

AKOPOV, A.A.; ATSAGORTSYAN, Z.A.; SIMONOV, M.Z.; STEPANYAN, V.A.;
TER-AZAR'YEV, I.A.; RODIN, B.M.; STUGAREV, A.S., kand. tekhn.
nauk, nauchnyy red.; ZATCHEKOVA, E.A., red.izd-va; KASIMOV,
D.Ya., tekhn. red.

[Production of natural stone wall materials and lightweight aggregates]Proizvodstvo prirodnykh kamennykh stenovykh materialov i legkikh zapolnitelei; sostoianie i perspektivy razvitiia. Moskva, Gosstroizdat, 1962. 211 p. (MIRA 15:12)

1. Armyanskiy nauchno-issledovatel'skiy institut stroitel'nykh materialov i sooruzheniy. 2. Armyanskiy nauchno-issledovatel'nyy institut stroitel'nykh materialov i sooruzheniy (for Akopov, Atsagortsyan, Simonov, Stepanyan, Ter-Azar'yev). 3. Nauchno-issledovatel'skiy institut stroitel'nykh materialov i izdelyi Akademii stroitel'stva i arkhitektury Ukr. SSR (for Rodin).

(Building stones)

(Aggregates (Building materials))

RODIN, Boris Mikhaylovich; VORONKOVA, L., red.

[Sawed stone quarries; their design and operation]
Kar'ery pil'nogo kamnia; proektirovanie i ekspluatatsiia.
Kiev, "Budivel'nyk," 1964. 175 p. (MIRA 17:8)

RODIN, B.M.

Selection and calculation of elements in a system of quarrying
sawed stone. Sbor. trud. Kish. otd. NIISMI no.4:8-26 '64.
(MIRA 18:2)

RODIN, B. M.

"The Use of Stope Cable-Slat Conveyers at Open Pit Mines." Card Tech Sci, Moscow Mining Institute I. V. Stalin, Min Higher Education USSR, Moscow, 1955. (KL, No 14, Apr 55)

SO: Sum. No. 704, 2 Nov 55 - Survey of Scientific and Technical Dissertations Defended at USSR Higher Educational Institutions (16).

RODIN, B.M., kand.tekhn.nauk; KHUTORYANSKIY, D.L., inzh.

Standardization and modernization of disc ~~saws~~ of stonecutting
machines. Stroi. ~~mat.~~ 8 no.5:27-29 My '62. (MIRA 15:7)
(Stonecutting--Equipment and supplies)

RODIN, D.P.

Indices of the output structure; their basis and significance.

Zap. LGI 34 no.3:127-142 '58.

(MIRA 12:4)

(Index numbers (Economics))

RODIN, D.P., dotsent

Output composition indices using the method of conventional
units. Izv. vys. ucheb. zav.; gor. zhur. no.8:62-66 '58.

(MIRA 12:5)

Leningradskiy gornyy institut.
(Coal mines and mining)

RODIN, D.P.

Using statistical methods in the course on the economic aspects
of the mining industry. Zap.LGI 34 no.3:110-126 '58.

(MIRA 12:4)

(Coal mines and mining--Statistics)
(Economics--Study and teaching)

RODIN, D.P., dotsent

Characyeristics of coal quanlity composition by the indices of
the production structure. Izv.vys.ucheb.zav.; gor zhur. no.5:
45-52 '59. (MIRA 13:5)

1. Leningradskiy ordena Lenina i ordena Trudovogo Krasnogo
Znameni gornyy institut imeni G.V. Plekhanova. Rekomendovana
kafedroy ekonomiki i organizatsii proizvodstva.
(Coal)

RODIN, D.P., dotsent

Indices in an economic analysis of the structure of the activity of an industrial enterprise. Izv. vys. ucheb. zav.; gor. zhur. no. 12:21-28 '59. (MIRA 14:5)

1. Leningradskiy ordena Lenina i ordena Trudovogo Krasnogo Znameni gornyy institut imeni G.V. Plekhanova. Rekomendovana kafedroy ekonomiki i organizatsii proizvodstva.
(Mining industry and finance)

RODIN, D.P., dotsent

Indices of the manpower structure. Izv.vys.ucheb.zav.;
gor.zhur. no.7:39-47 '60. (MIRA 13:7)

1. Leningradskiy ordena Lenina i ordena Trudovogo Krasnogo
Znameni gornyy institut imeni G.V. Plekhanova. Rekomendovana
kafedroy ekonomiki i organizatsii proizvodstva.
(Coal miners) (Wages)

RODIN, D.P., dotsent

Understanding of correlations in literature on the economic aspects
of mining. Izv. vys. ucheb. zav.; gor. zhur. no.12:63-66 '60.
(MIRA 14:1)

1. Leningradskiy ordena Lenina i ordena Trudovogo Krasnogo Znameni
gornyy institut imeni G.V. Plekhanova. Rekomendovana kafedroy
ekonomiki i organizatsii gornoy promyshlennosti Leningradskogo
gornogo instituta.

(Mining industry and finance)
(Correlation (Statistics))

PROCESSES AND PROPERTIES INDEX																									
1ST AND 2ND CATEGORIES													3RD AND 4TH CATEGORIES												
1ST AND 2ND CATEGORIES													3RD AND 4TH CATEGORIES												
Formation of efflorescence on the surface of clay products and methods of preventing it. E. I. Rodin, <i>Keramik</i> 1939, No. 9, 22-7. The preventive method is to cover the surfaces with fuel oil. E. R. Stefanowsky																									
ASB-SLA METALLURGICAL LITERATURE CLASSIFICATION																									
SECTION 1: 1ST AND 2ND CATEGORIES																									
SECTION 2: 3RD AND 4TH CATEGORIES																									

AKUTIN, M.S.; KOTRELEV, V.N.; KOVARSKAYA, B.M.; KOSTRYUKOVA, T.D.;
TARASOV, V.V.; SIDNEV, A.I.; RODIN, E.; NITCHE, O.N.; NEYMAN, M.B.

Casting of polycarbonates under pressures. Plast. massy no.6:
26-29 '63. (MIRA 16:10)

5
ACCESSION NR: AP3001579

S/0191/63/000/006/0026/0029

AUTHOR: Akutin, M. S.; Kotrelov, V. N.; Kovarskaya, B. M.; Kostryukova, T. D.;
Tarasov, V. V.; Sidnev, A. I.; Rodin, E.; Nitcha, O. N.; Meyman, M. B.

TITLE: Casting of polycarbonates under pressure.

SOURCE: Plasticheskiye massy, no. 6, 1963, 26-29

TOPIC TAGS: Diflon, polycarbonate, thermal oxidation

ABSTRACT: The change in molecular weight and mechanical properties of a polycarbonate "Diflon" under laboratory oxidation and on pressure-casting was studied. Polycarbonates are destroyed more rapidly by pressure casting than by thermal oxidation. Apparently, this acceleration is combined with the presence of mechanical destruction. The minimum amount of time and temperature for transforming the polymer to the viscous-flowing state should be used in order to reduce the extent of destruction. Orig. art. has: 9 figures, 1 table and 1 equation.

ASSOCIATION: none

SUBMITTED: 00

DATE ACQ: 01Jul63

ENCL: 00

Cord 1/2/

Rodin, E

L-2

USSR/Cultivated Plants - Grains.

Abs Jour : Ref Zhur - Biologiya, No 16, 25 Aug 1957, 69204

Author : Rodin, E.

Inst :
Title : The Effect of Methods of Irrigating Waterloads on Yields of Winter Wheat on "Road Toward Communism" Collective Farm in Rostov District.

Orig Pub : Sb. stud. nauch.-issled. rabot Mask. s.-kh. akad. im. K.A. Timiryazeva, 1956, No 6, 21-27

Abstract : In a field experiment tested on an area of 50 hectares, the effects of different methods of irrigating waterloads were studied as to yield and other indexes of winter wheat, sown after summer wheat. Variants of the experiment: 1) waterloads along deep furrows; 2) waterloads along strips; 3) waterloads along stubble; 4) control. In the 1st and 2nd variants irrigation is performed after autumn ploughing; in the 3rd variant-- before the

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USSR/Cultivated Plants - Grains.

L-2

Abs Jour : Ref Zhur - Biologiya, No 16, 25 Aug 1957, 69204

autumn ploughing along the strips of stubble of the predecessor. The normal waterload in all variants amounted to 900 to 1100 m³ per hectare. There was a drought the year of the experiment. The yield of the 1st, 2nd and 3rd variants was respectively 25.8, 23.5 and 16.1 centners/hectare. The growth of weeds on the plantings was decreased at waterloads on strips by 2½ times, on furrows by 3 times and on stubble by 5 times. The most economical method of waterloading under the given conditions was irrigation by strip.

Card 2/2

RODIN, G. D., Cand Med Sci -- (diss) "Problem of the secretory activity of the stomach in experimental fever." Rostov-na-Don, 1960. 14 pp; (Rostov-na-Don State Medical Inst); 300 copies; price not given; (KL, 24-6C, 136)

CIA-RDP86-00513R0014450

SOBOLEV, N.N.; BELOUSOV, M.M.; RODIN, G.M.; SVIRIDOV, A.G.; SKOROBOGATOV,
N.G.; FAYZULLOV, F.S.

Temperature of the flame of a liquid-propellant rocket engine. Part 1.
Zhur.tekh.fiz. 29 no.1:27-36 Ja '59. (MIRA 12:4)

1. Fizicheskiy institut im. P.N. Lebedeva AN SSSR, Moskva.
(Rockets (Aeronautics)) (Flame) (Temperature--Measurement)

SOBOLEV, N.N.; KITAYEVA, V.P.; RODIN, G.M.; FAYZULLOV, F.S.; FEDOROV, A.I.;

Temperature of the flame of a liquid-propellant rocket engine.
Part 2. Zhur.tekh.fiz. 29 no.1:37-44 Ja '59. (MIRA 12:4)

1. Fizicheskiy institut im. P.N. Lebedeva AN SSSR, Moskva.
(Rockets (Aeronautics)) (Flame) (Temperature-Measurement)

24(7)

AUTHORS:

SOV/56-37-2-4/56
Lebedev, S. V., Mandel'shtam, S. L., Rodin, G. M.

TITLE:

On the Short-wave Radiation of a Vacuum Spark

PERIODICAL:

Zhurnal eksperimental'noy i teoreticheskoy fiziki, 1959,
Vol 37, Nr 2(8), pp 349-354 (USSR)

ABSTRACT:

The spectra of the highly ionized atoms in a spark discharge are in the ultraviolet range and in the range of soft X-ray radiation; it was investigated down to $6 \text{ \AA}$ (Ref 1). In this case the excitation energy amounts to 2000 ev. In the present paper the authors give results obtained from investigating these spectra within the range $\lambda < 6 \text{ \AA}$, as well as an evaluation of the discharge temperatures by means of a spectroscopic method. (Analogous temperature measurements have already been carried out by Akimov and Malkov (Ref 2).) The measuring method is first briefly described (iron electrode - one plate and one cylinder, distance 4 mm; initial pressure in the discharge chamber $1 \cdot 10^{-5} \text{ mm Hg}$; current source: condenser $3.3 \text{ \mu F}$, 40 kv, $1.5 \text{ \mu H}$, 0.2Ω , $i_{\text{max}} = 4.8 \cdot 10^4 \text{ a}$; absorption of the longer-wave radiation by

Card 1/3

On the Short-wave Radiation of a Vacuum Spark

SOV/56-37-2-4/56

beryllium filters; recording: photomultiplier FEU-25 and cathode ray oscillograph. Total sensitivity of the FEU: 10 a/lumen; filter dimensions: thickness 0.25 mm, diameter 18 mm; scintillators: tetraphenyl-butadiene in polystyrene and CsI(Tl), 5 mm thick. The results are given in form of characteristic oscillograms. Three series of measurements were carried out under various conditions and by using the two above-mentioned scintillators, and the latter are described in detail. The second part of the paper deals with temperature evaluation. The value obtained for electron temperature in the case of a spark discharge in a vacuum was found to amount to 2.10^5 °K. These evaluations agree with measurements. Figure 5 shows the temperature dependence of the intensity of the lines of multiple charged ions for an electron concentration $n_e = 10^{18}$ electron/cm³; the curves from Al V to Al X are given. The position of the curves shows to what extent temperature evaluation depends on ionization - the curves shift with increasing ionization towards higher temperatures; to the here mentioned temperature of 2.10^5 °K there corresponds the Al VII peak. There follows a

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On the Short-wave Radiation of a Vacuum Spark

SOV/56-37-2-4/56

short discussion of the excitation mechanism, which might explain the spectral composition of the observed radiation. There are 5 figures, 1 table, and 8 references, 4 of which are Soviet.

ASSOCIATION: Fizicheskiy institut im. P. N. Lebedeva Akademii nauk SSSR
(Physics Institute imeni P. N. Lebedev of the Academy of Sciences, USSR)

SUBMITTED: March 3, 1959

Card 3/3

RODIN, G.Ya.; RISHIN, P.V.

Double-level method for turpentinizing with the use of sulfuric acid. *Gidroliz. i lesokhim.* 18 no.2:27-28 '65.

(MIRA 18:5)

1. Navlinskoye lesokhimicheskoye khozyaystvo (for Rodin).
2. Bryanskiy tekhnologicheskiy institut (for Tishin).

RODIN, I. I.

26592 Kapsul'n'iy metod iskusstvennogo osemneniya korov i ovets. Sots
zhivotnovodstvo, 1949, No. 4, s. 91-99.

SO: LETOPIS' NO. 35, 1949

RODIN, I.

Artificial insemination station at the All-Union Agricultural
Exhibition. Nauka i pered. op. v sel'khoz. 8 no. 7:19-20 J1 '58.
(MIRA 11:8)

1. Zaveduyushchiy Tsentral'noy eksperimental'noy stantsiyey
iskusstvennogo osemeneniya Vsesoyuznogo nauchno-issledovatel'skogo
instituta zhivotnovodstva.
(Artificial insemination)

RÖDIN, I. I.

Assistant Professor, Moscow Veterinary Academy

Determination of spermatozoon concentration with the aid of a wedge-shaped colorimeter, Veterinariya, Vol. 37, No. 11, p. 79, 1960.

ROTH, I. I.

"Improved device for obtaining sperm from bulls."

Veterinariya, Vol 38 No. 5 1961

Moscow Veterinary Acad.

OZHIN, F.V.; RODIN, I.I.; RUMYANTSEV, N.V.; SKATKIN, P.N.; SHERGIN, N.P.;
TRUBKIN, G.D., red.; SHEVTSOVA, A.A., red.; YARNYKH, A.M., red.;
PROKOF'YEVA, L.N., tekhn. red.

[Artificial insemination of farm animals; manual for zootechnicians
and veterinary workers] Iskusstvennoe osemenenie sel'skokhoziaistven-
nykh zhiivotnykh; rukovodstvo dlia zootekhnikov i veterinarnykh rabot-
nikov. Izd.3., perer. i dop. By F.V.Ozhin i dr. Moskva, Izd-vo
sel'khoz.lit-ry, zhurnalov i plakatov, 1961. 447 p. (MIRA 14:12)
(Artificial insemination)

OZHIN, F.V.; RODIN, I.I.; PARSHUTIN, G.V.; doktor biolog.nauk. red.;
SKATKIN, P.N.; SHERGIN, N.P.; YARNYKH, A.M., red.; MAKHOVA,
N.N., tekhn.red.; ZUBRILINA, Z.P., tekhn.red.

[Artificial insemination of farm animals; a manual for zoo-
technicians and veterinary workers] Iskusstvennoe osemenenie
sel'skokhoziaistvennykh shivotnykh; rukovodstvo dlia zootekh-
nikov i veterinarnykh rabotnikov. Izd.2., perer. i dop. Pod
red. G.V.Parshutina. Moskva, Gos.izd-vo sel'khoz.lit-ry, 1959.
428 p. (MIRA 13:5)

(Artificial insemination)

ROBIN, I.M., inzh.

Using air ejectors in the enterprises of the construction industry.

Stroi. i dor. mash. 9 no. 7134-37 J1 '64.

(MIRA 18:3)

RODIN, I.I.; BELAVINSKIY, Yu.N.

For you, grinding-machine operators. Mashinstroitel' no.8:20-21
Ag '64. (MIRA 17:10)

BAKHTOV, S.G.; PARSHUTIN, G.V.; RODIN, I.I.; TARASOV, V.R.;
YAKIMCHUK, I.L.; BYRDINA, A.S., red.

[Practical manual on veterinary obstetrics, gynecology,
and artificial insemination of farm animals] Praktikum
po veterinarnomu akusherstvu, ginekologii i iskusstven-
nomu osemeneniiu sel'sko-khoziaistvennykh zhivotnykh.
[By] S.G.Bakhtov i dr. Moskva, Kolos, 1965. 295 p.
(MIRA 18:4)

RODIN, I.I.

Universal device designed by K.V.Portnago. Mashinostroitel'
no. 5:27 My '64. (MIRA 17:7)

RODIN. I. I.

"Improvement of instruments for bull and ram semen collection."
report submitted to 5th Intl Cong, Animal Reproduction & Artificial Insemination,
Trent, Italy, 6-13 Sep 64.

RODIN, I.I., dotsent

New instrument for obtaining ram's sperm. Veterinariia 40 no.2:68-
69 F '63. (MIRA 17:2)

1. Moskovskaya veterinarnaya akademiya.

RODIN, I.I.

Engraving devices. Mashinostroitel' no.10:18-19 0 '63.
(MIRA 16:12)

RODIN, Ivan Ivanovich; KHARCHENKO, K.S., red.

[New bench tools] Novyi slesarnyi instrument. Lenin-
grad, 1964. 19 p. (MIRA 17:11)

RODIN, I.I., dotsent

Deterining spermatozoid concentration with a wedge-shaped colorimeter. Veterinariia 37 no.11:79-80 N '60. (MIRA 16:2)

1. Moskovskaya veterinarnaya akademiya.
(Colorimeters) (Spermatozoa)

BELAVINSKI, IU. N. [Belavinskiy, Yu.N.]; RODIN, I.I.

Electric soldering irons with internal heaters. Ratsionalizatsia
10.5:25-26 '62.

BELAVINSKIY, Yu.N.; RODIN, I.I.

Electric soldering bits with internal heating. Mashinostroitel'
no.1:23-24 Ja '62. (MIRA 15:1)
(Electric welding—Equipment and supplies)

RODIN, I.L.

RAVKIN, I.G.; ALEXANDROVA, A.P.; LANDO, L.I.; RODIN, I.L.

Reactions in chronic schizophrenia to polyvalent anti-encephalitic serum used for therapeutic purposes [with summary in French]. Zhur. nevr. i psikh. 57 no.1:87-94 '57. (MLBA 10:3)

1. Nauchno-issledovatel'skiy institut psikiatrii (dir. - prof. V.M. Banskchikov) Ministerstva zdoravookhraneniya RSFSR i Institut virusologii AMN SSSR, Moskva.

(SCHIZOPHRENIA, ther. anti-encephalitis serum, causing reaction, EEG)

(IMMUNE SERUMS, ther. use anti-encephalitis serum in schizophrenia, causing reaction, EEG)

(ELECTROENCEPHALOGRAPHY, in various dis. anti-encephalitis serum ther. in schizophrenia causing reaction)

RODIN, I.M.

Neural virus diseases in animals similar to human poliomyelitis. Zh.
nevropat. psikhiat., Moskva 53 no.8:648-652 Aug 1953. (CLML 25:4)

1. Laboratory of Virus Neuroinfections of the Institute of Neurology
of the Academy of Medical Sciences USSR.

RODIN, I.M.; MART'YANOVA, L.I.

Commercial preparation of therapeutic hyperimmune horse serum for tick-borne and Japanese encephalitis. Report no.1: Dynamics of the increase of virus-neutralizing antibodies in the serum of horses hyperimmunized by viruses of tick-borne and Japanese encephalitis. Vop.virus. 1 no.3:17-22 My-Je '56. (MLRA 10:1)

1. Institut virusologii imeni D.I.Ivanovskogo AN SSSR, Moskva

(IMMUNE SERUMS,

anti-encephalitis hyperimmune horse serum, dynamics of virus-neutralizing antibodies in serum of horses immunized with tick-borne & Japanese encephalitis viruses (Rus))

(ENCEPHALITIS, JAPANESE B., immunology,

anti-encephalitis hyperimmune horse serum, dynamics of virus-neutralizing antibodies (Rus))

(ENCEPHALITIS, EPIDEMIC, immunology,
same)

RODIN, I.M.; PONOMAREVA, N.A.; MART'YANOVA, L.I.; DIRASOZA, M.N.

Commercial production of therapeutic hyperimmune horse serum
against tick-borne and Japanese encephalitis. Report No.2: Obtaining
gammaglobulin from normal therapeutic antiencephalitic horse serum;
author's abstract. Zhur.mikrobiol.epid. i immun. 27 no.7:58-59 Jy '56
(MLRA 9:9)

L. Iz Instituta virusologii imeni Ivanovskogo AMN SSSR i Moskovskogo
instituta vaktsin i syvorotok imeni Mechnikova.
(GAMMA GLOBULIN) (SERUM)

E-2

USSR/Virology - Human and Animal Viruses.

Abs Jour : Ref Zhur - Biol., No 8, 1958, 33573

Author : Rodin, I.M.

Inst :

Title :

Experimental Industrial Production of Hyperimmune Medicinal Horse Serum Against Mite and Japanese Encephalitis. Report III. The Problem of Cytotoxic Properties of Antiencephalitic Medicinal Horse Serum.
(Opyt proizvodstvennogo izgotovleniya giperimmunnyy loshadinoy lechebnoy syvorotki protiv kleshchevogo i yaponskogo entsefalitov. Soobshchenie III. K voprosu o tsitotoksicheskikh svoystvakh protivotentsefalitnoy loshadinoy lechebnoy syvorotki).

Orig Pub : Vopr. virusologii, 1957, No 2, 98-100

Abstract : In intensive immunization of horses by virus antigens of mite and Japanese encephalitis in the form of a 10% brain suspension of infected mice, the serum, besides

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E-2

USSR/Virology - Human and Animal Viruses.

Abs Jour : Ref Zhur - Biol., No 8, 1958, 33573

forming neutralizing antibodies, also acquired neurotoxic (cytotoxic) properties. These serum properties were manifested in subcutaneous injections into white mice in doses of 1 ml in a form of skin necrosis; some of the mice died one day after injection. The same sera were harmless to rabbits, rats, guinea pigs, and monkeys. The reactogenicity of neurotoxic serum to humans did not differ from that of other heterologous medicinal sera. The neurotoxic serum properties were not eliminated when it was purified of ballast proteins. Fractions of gamma-globulin isolated from the serum were also as cytotoxic as the original serum. When horses were immunized by a virus grown on ascite mouse carcinoma (the non-cell fraction), the sera possessed no cytotoxic properties.
(Report II, see Ref Zh Biol., 1957, 30624).

Card 2/2

KRAWCHENKO, A.T., ROBIN, I.M.

Principles of specific serum therapy for virus infections.
Vop.med.virus. no.8:14-20 '63.

(MIRA 17:10)

RODIN, I.M.; KRAVCHENKO, A.T.; SERGEYEV, N.W.; SHCHERBA, L.N.

Experimental serotherapy of tick-borne encephalitis. Vop.med.
virus, no.8:98-106 '63. (MIRA R:10)

KRAVCHENKO, A.T.; ROZIN, I.M.; KRICHUK, I.I.; BAYDAR, N.I.; PROZIEV,
N.N.; TARASOV, V.V.

Preparation and purification of immune sera against tick-borne
and Japanese encephalitis. Vop.med.virus. no.8:106-113 '63.
(MIRA 17:10)

RODIN, I.M.; SERGEYEV, N.N.; PISTSOV, N.G.; SHOSHIYEV, L.N.

Experimental serotherapy in Omsk hemorrhagic fever. Vop. virus
8 no.2:193-199 Mr-Apr'63 (MIRA 16:12)

1. Institut poliomyelita i virusnykh entsefalitov AMN SSSR,
Moskva.

POGODINA, V.V.; LEVROVICH, E.N.; RODEL, I.M.; KARPOVICH, L.G.

Variation in the pathogenicity of viruses of the tick-borne encephalitis complex for different animal species. II. Evaluation of neurovirulence for lambs and piglets as a strain marker. Acta virol. (Praha) [Eng.] 8 no.6:521-531 N '64

1. Institute of Poliomyelitis and Viral Encephalitides, U.S.S.R. Academy of Medical Sciences, Moscow.

CHUMAKOV, M.P.; L'VOV, D.K.; GAGARINA, A.V.; VIL'NER, L.M.; RODIN, I.M.;
ZAKLINSKAYA, V.A.; GOL'DFARB, L.G.; KHANINA, M.R.

Study of conditions influencing the effectiveness of immunization
against tick-borne encephalitis. Report No.1: Influence of the
immunogenic properties of the vaccine on the effectiveness of
vaccination and revaccination. Vop. virus. 10 no.2:168-172 Mr-Ap
'65. (MIRA 18:10)

1. Institut poliomyelita i virusnykh entsefalitov AMN SSSR, Moskva.

BIZNYA, V.M., inzh.; KOLPENSKIY, N.S., inzh.; PAVLUKHIN, O.I., inzh.;
MATYUKOV, V.Ye., inzh.; RODIN, I.M., inzh.

Counterflow ventilation system of salient pole synchronous
machines. Vest. elektroprom. 33 no.11:23-29 N '62.

(MIRA 15:11)

(Electric machinery, Synchronous--Cooling)

1ST AND 2ND ORDERS										3RD AND 4TH ORDERS									
PROCESSES AND PROPERTIES INDEX																			
AMR										Soil Mechanics, Layage									
283. Rodin, I. V., On the influence of mining on the stress state of a mountain mass (in Russian), <i>Izv. Akad. Nauk SSSR (Mekh. Zeml.</i>, no. 12, 1763-1783, Dec. 1950. The stress pattern produced in a semi-infinite mass of rock by the construction of a horizontal tunnel is studied by the methods of the theory of elasticity. The normal and the tangential stresses which originally existed in the rock along the periphery of the future tunnel are first determined in polar coordinates, as well as the equations of the stress field which they create in the surrounding rock and which is termed the "temporary" field. By subtracting the values of the temporary stress field from the values of the "natural" stress field which originally existed in the unweakened mass of rock, the "residual" stress field brought about by the construction of the tunnel is established. Diagrams illustrate the distribution of stresses thus obtained. The conclusion is reached that the results are strongly affected by the values of the coefficient of lateral pressure taken to equal: $\mu = (\nu)/(1 - \nu)$, where ν is the Poisson ratio. Therefore, the results of photoelastic and other similar experiments can be valid only if the material of the model has the same value of μ as that of the rock. Gregory P. Tschobanoff, USA																			
JAN 52										31									
METALLURGICAL LITERATURE CLASSIFICATION																			

RODIN, I.V.

USSR/Physics - Elasticity

21 Dec 51

"Determining the Magnitude of Mining Pressures With
Consideration for Surface Loads," I. V. Rodin

"Dok Ak Nauk SSSR" Vol LXXXI, No 6, pp 1011-1014

Indicates the contours of underground constructions
(tunnels, etc.) which are stable or unstable for
loads on the surface above them. Finds that static
surface loads (pressures from above-earth structures)
must be divided into 2 categories. Submitted 12 Oct
51 by Acad L. D. Shevyakov.

219766

1. RODIN, I.V.
2. USSR (600)
4. Tunneling; Strains and Stresses
7. Determining roof pressure with consideration of surface loads; Dokl. AN SSSR 81 no.6, 1951. recd. 21 Sept. 1951
- 9a Monthly List of Russian Accessions, Library of Congress, May 1952. Unclass.

CTRSPL Vol. 5-No. 1 Jan. 1952

Rodin, I.V., The solution of problems of gravitational pressure of the mountain mass on the timber of underground works, 421-4

Akademiya Nauk, S.S.S R., Doklady Vol. 78, No. 3

548. Rodin, I. V., On the solution of problems concerning the gravitational pressure of a mountain mass on the shoring of underground excavations (in Russian), *Doklady Akad. Nauk SSSR (N.S.)* 78, 3, 421-424, May 1951.

This is a continuation of the paper reviewed in AMR 3, Rev. 263. The deformations of the original periphery of the tunnel produced by the removal of the supporting rock during the tunnel construction are taken to equal the deformations of the rock mass due to the reaction pressures of the shoring plus the deformations of the shoring itself. The above relationships are defined and equations are given which permit the determination of the normal and of the tangential pressures on the shoring from these deformation relationships and the yield coefficients of the shoring and of the rock mass.

Gregory P. Tchebotarioff, USA

Soil Mechanics, Seepage

Aug 52

2739. Modin, I. V., On the determination of mountain mass pressure taking account of surface loads (in Russian). *Doklady Akad. Nauk SSSR* (N S) 81, 6, 1011-1014, Dec. 1951.

This continues the papers reviewed in AMR 5, Reys. 281, 548. The procedures developed in these papers are extended to the analysis of the effect of surface loading on stresses within a mountain mass and on pressures exerted on the shoring of underground excavations. The conclusion is reached that one should differentiate between two types of surface loading: First, surface loads applied before tunneling through the mountain mass and, second, surface loads applied after such tunneling.

Static surface loads of the second type induce larger pressures on the shoring of underground excavations than otherwise identical loads of the first type. The removal of surface loads of the second type fully restores the state of stress which existed in the mountain mass and in the shoring of excavations prior to the application of the surface loading; the removal of surface loads of the first type does this only partially.

G. P. Tschelbatzki, USA

RODIN, I.Ye.

Counting device for recording the number of cans filled with production. Kons.i ov.prom. 17 no.7:26-27 J1 '62. (MIRA 15:6)

1. Konservnyy zavod "Smychka" Rostovskogo sovmarkhoza.
(Canning industry—Equipment and supplies)

(N) L 12911-66 EWT(m)/ENP(v), 1/ENP(t)/ENP(k)/ENP(d)/ENP(c) JL/MM
ACC NR: AP6000953 SOURCE CODE: UR/0286/65/000/022/0040/0040
AUTHORS: ^{44,55}Yermanok, Ye. Z.; ^{44,55}Rodin, I. Z.; ^{44,55}Shuvarikov, V. M.; ^{44,55}Granovskiy, B. T.
ORG: none
TITLE: A method for contact ^{44,55}arc welding of T-joints. Class 21, No. 176336 ⁴⁴B
SOURCE: Byulleten' izobreteniy i tovarnykh znakov, no. 22, 1965, 40
TOPIC TAGS: welding, welding electrode, welding equipment, welding technology, arc welding
ABSTRACT: This Author Certificate presents a method for arc welding T-joints, as between rods and plates. To facilitate the process and to improve the quality of the welded joint, the heading is produced in the course of welding with the help of an electrode provided with a groove.
SUB CODE: 13/ SUBM DATE: 15Jun63
Card 1/1 HW UDC: 621.791.762.1

RODIN, J.N.

Some problems of the treatment of ununited fractures. I. Pseudarthrosis.
Chir. narz. ruchu ortop. polska 27 no.2:205-210 '62.
(PSEUDARTHROSIS ther)

RODIN, K.G., dotsent

Calculation of the utilization coefficient of the exit velocity of a
turbine stage. Trudy LPI no.2:78-89 '54. (MIRA 8:8)
(Steam turbines--Tables, calculations, etc.)

L 27777-65 EWT(d)/EWT(m)/EWA(d)/ENP(w) — EM

ACCESSION NR: AT5003386

S/2563/64/000/232/0031/0036

AUTHOR: Kantor, S. A.; Podobuyev, Yu. S.; Rodin, K. G.

TITLE: The study of profile energy losses in lattice profiles of nozzle blades in the terminal stages of steam turbines

SOURCE: Leningrad. Politekhnikheskiy institut. Trudy, no. 232, 1964. Turbomashiny (Turbomachines), 31-36

TOPIC TAGS: steam turbine, turbine efficiency, high power turbine, turbine loss, blade profile, thick blade profile, blade lattice

ABSTRACT: The modern terminal stages of steam turbines contain thick-profile blades. Such blades are much more difficult to produce than the corresponding thin blades of earlier designs and, consequently, the authors decided to investigate the comparative aerodynamic efficiency of lattice structures made of the two types of blades. The present article reports on the first part of such an experimental investigation on the static nozzle lattices of stages 26 and 27 in the PVK-200 turbine. The results show that relatively large energy losses are indeed encountered within the nozzle structure of the terminal stages of high-power turbine, in the

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L 27777-65

ACCESSION NR: AT5003386

case of a thin profile lattice. These losses may be reduced primarily by appropriate changes in the profiles, particularly of the sections close to the necks of the interblade channels. The substitution of such blades by thicker profiles, which consume more metal and are hard to produce, results in only a moderate improvement. Orig. art. has: 1 formula and 6 figures.

ASSOCIATION: Leningradskiy politekhnicheskiy institut imeni M. I. Kalinina (Leningrad polytechnic institute)

SUBMITTED: 00

ENCL: 00

SUB CODE: PR

NO REF SOV: 003

OTHER: 000

Cord 2/2

SOV/124-58-1-443

Translation from: Referativnyy zhurnal, Mekhanika, 1958, Nr 1, p 53 (USSR)

AUTHOR: Rodin, K. G.

TITLE: The Characteristics of an Axial-compressor Stage as Affected by the Blade-setting Angle (Kharakteristiki stupeni oseвого kompressora pri razlichnykh uglakh ustanovki lopatok)

PERIODICAL: Tr. Leningr. politekhn. in-ta, 1955, Nr 177, pp 130-138

ABSTRACT: Bibliographic entry

Card 1/1

RODIN, K.G.

Effect of small deviations of blade dimensions on the characteristic
of the stage of an axial compressor. Trudy LPI no.187:73-79 '56.

(MIRA 13:6)

(Compressors--Blades)

PHASE I BOOK EXPLOITATION

SOV/4030

Rodin, Petr Radionovich

Osnovy teorii proyektirovaniya rezhushchikh instrumentov (Fundamentals of the Theory of Cutting Tool Design). Moscow, Mashgiz, 1960. 159 p. 7,000 copies printed.

Reviewer: Z.D. Khristich, Candidate of Technical Sciences; Ed. (Title page):
A.I. Shapiro, Engineer; Ed. (Inside book): N.P. Onishchenko; Chief Ed. (Southern Division, Mashgiz): V.K. Serdyuk, Engineer.

PURPOSE: This book is intended for technical personnel in plants and scientific research institutes. It may also be useful to students of schools of higher technical education.

COVERAGE: The book presents the fundamentals of the theory of designing cutting tools. The classification of various types of shaped surfaces of machine parts is given, and methods of determining the suitable initial tool surface are discussed as well as conditions for the proper contact of both surfaces. Recommendations are made for conversion of the initial tool surface into a cutting

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Fundamentals of the Theory of Cutting Tool Design

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tool for machining a given machine part surface. No personalities are mentioned.
There are 23 references: 21 Soviet and 2 English.

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Possible kinematic methods of surface generation based on
combination of two uniform motions: rectilinear translatory
and rotary

8

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13

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Surface of a Part During Machining

16

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Card 2/5

KHRISTICH, Zakhar Dem'yanovich; MOROZENKO, Semen Nikitovich; RODIN, P.R.,
kand.tekhn.nauk, retsenzent; GAVRILOV, V.D., inzh., red.;
ONISHCHENKO, N.P., red.; GORNOSTAYPOL'SKAYA, M.S., tekhn.red.

[Sharpening of metal-cutting tools; manual for grinders] Zatochka
rezhushchego instrumenta; uchebnoe posobie dlia rabochikh-zatochni-
kov. Moskva, Gos.nauchno-tekhn.isd-vo mashinostroit.lit-ry, 1960.
169 p. (MIRA 13:12)

(Metal-cutting tools)

RODIN, Petr Rodionovich; BODZICH, M.I., dots., retsenzent;
AFANAS'YEV, V.F., dots., kand. tekhn. nauk, retsenzent
SAMOKHIN, G.I., otv. red.; CHISTYAKOVA, L.G., inzh.,
red.; GORNOSTAYPOL'SKAYA, M.S., tekhn. red.

[Design and manufacture of metal-cutting tools] Proektirovanie
i proizvodstvo rezhushchego instrumenta. Moskva, Mashgiz,
1962. 254 p. (MIRA 15:4)

(Metal-cutting tools)

RODIN, F. V.

Doc Tech Sci - (diss) "Problems of the theory of designing cutting tools." Odessa, 1961. 29 pp; (Ministry of Higher and Secondary Specialist Education Ukrainian SSR, Kiev Order of Lenin Polytechnic Inst); 150 copies; price not given; (KL, 6-61 sup, 212)

NISNEVICH, Mark L'vovich; RAT'KOVSKIY, Leonid Petrovich; KLASSEN, V.I., prof., doktor tekhn. nauk, retsenzent; KHOLIN, N.D., prof., retsenzent; RODIN, R.A., kand. tekhn. nauk, retsenzent; BOGOSLOVSKIY, V.A., inzh., retsenzent; IVANOV, I.K., inzh., retsenzent; TROITSKIY, A.V., inzh., nauchnyy red.; MIKHAYLOV, B.V., kand. tekhn. nauk, nauchn. red.; GOMOZOVA, N.A., red.izd-va; SHERSTNEVA, N.V., tekhn. red.

[Dressing nonmetallic building materials] Obogashchenie nerudnykh stroitel'nykh materialov. Moskva, Gosstroizdat, 1963. 282 p. (MIRA 17:2)

RODIN, R.A., kand.tekhn.nauk; YUNITSKAYA, Ye.I., inzh.

Testing crushed stone in the process of inspecting the quality
of the output of crushing and grading plants. Sbor. trud.
NIIZHelezobetona no.7:71-86 '62. (MIRA 16:1)
(Stone, Crushed--Testing)

RODIN, R.A., kand. tekhn. nauk; YUNITSKAYA, Ye.I., inzh.

Automating quality control of crushed stone. Sbor. trud.
NIIZHelezobetona no.8:30-35 '63 (MIRA 18:1)

VERKHOVSKIY, I.M., doktor tekhnicheskikh nauk, professor; MUZYLEV, G.A.,
kandidat tekhnicheskikh nauk, dotsent; RODIN, R.A., kandidat
tekhnicheskikh nauk.

Use of clay from the Nizhne-Uvel'skoye deposits by insulator
plants in the Urals. Vest.elektroprom. 27 no.5:25-29 My '56.
(MLRA 9:12)

1. Moskovskiy gornyy institut imeni I.V. Stalina.
(Nizhne-Uvel'skoye--Clay)
(Ural Mountain region--Electric insulators and insulation)

RODIN, R. A.

Rodin, R. A.

"An analysis of the Operation of Filtering Centrifuges with Centrifugal Discharge." Min Higher Education USSR. Moscow Mining Inst imeni I. V. Stalin. Moscow, 1955. (Dissertation for the Degree of Candidate in Technical Science)

So: Knizhnaya letopis', No. 27, 2 July 1955

RODIN, R.A., kand.tekhn.nauk

Crushing limestone in rotary crushers. Stroi. mat. 8 no.5:8-12
My '62. (MIRA 15:7)

(Limestone)
(Crushing machinery)

AVERCHENKOV, A.P.; BUYANOV, Yu.D.; GILEVICH, G.P.; RODIN, R.A.;
SHLAIN, I.B.

[Quarrying and processing crushed stone] Dobycha i pere-
rabotka kannia na shcheben'. [By] A.P.Averchenkov i dr.
Moskva, Stroiizdat, 1964. 219 p. (MIRA 17:12)

SHL'IN, I.D., kand. tekhn. nauk; BUYANOV, Yu.D., kand. tekhn. nauk;
LIPSON, M.A., kand. tekhn. nauk; DZEMEVICH, M.I., kand. tekhn.
nauk; RODIN, R.A., kand. tekhn. nauk

Extensive introduction of the results of scientific research
offers great possibilities to enterprises. Stroi. mat. 10
no.2:18-20 3 '64 (GIRA 18:2)

BGATOV, V.I.; AKUL'SHINA, Ye.P.; BUDNIKOV, V.I.; GERASIMOV, Ye.K.;
GUROVA, T.I.; KAZANSKIY, Yu.P.; KAZARINOV, V.P.;
KONTOROVICH, A.E.; KOSOLOBOV, N.I.; LIZALEK, N.A.;
MATUKHIN, R.G.; MATUKHINA, V.G.; PETRAKOV, V.U.; RODIN,
R.S.; SAVITSKIY, V.Ye.; SHISHKIN, B.B.; GRIN, Ye.P.,
tekhn. red.

[Lithoformational analysis of sedimentary rocks] Litologo-
formatsionnyi analiz osadochnykh tolshch. Pod red. V.I.
Bgatova i V.P.Kazarinova). (MIRA 16:7)

1. Sibirskiy nauchno-issledovatel'skiy institutu geologii,
geofiziki i mineral'nogo syr'ya.
(Rocks, Sedimentary--Analysis)

ROSENBAULI, O.B., kand. tekhn. nauk; RODIN, R.N., inzh.

Construction of the characteristics of a choke controlled
drive. Trudy MEI no.39:311-324 '62. (MIRA 17:6)

S/196/63/000/002/025/026
E194/E155

AUTHORS: Rosenbauli, O.B., and Rodin, R.N.

TITLE: Construction of the characteristics of a drive with choke control

PERIODICAL: Referativnyy zhurnal, Elektrotekhnika i energetika, no.2, 1963, 8, abstract 2 K 37. (Tr. Mosk. energ. in-ta, no.39, 1962, 311-321)

TEXT: In systems for stabilizing rated speed or for speed control over narrow limits, connection of a choke in the rotor circuit offers numerous advantages as compared with connection in the stator circuit because in the first case a magnetization current commensurate with the current that creates the useful motor torque does not flow in the choke windings. It is thus possible to make the choke smaller and lighter and to raise the system efficiency by excluding losses in the ohmic resistance of the choke due to magnetization current and by reducing iron losses, because of the lower frequency of rotor current as compared with stator. A method is presented for constructing the combined circle diagram for the system choke-motor, and also for determining the

Card 1/3

Construction of the characteristics... S/196/63/000/002/025/026
E194/E155

locus of motor currents with constant torque, which simplifies calculation of the characteristics and makes it possible to study the system throughout the load range. By combining the circle diagram of the choke with that of the motor constructed for an equivalent drive circuit and converted relative to the non-linear element - the choke - it is possible not only to investigate the characteristics of the drive but also to calculate the choke parameters in the drive circuit provided that its most extreme operating conditions are given. The calculations assume nearly sinusoidal voltage and current wave-shapes, and small ohmic losses in the choke cores; this is permissible for cores of permalloy grade 50 НП (50 NP), 0.02-0.05 mm thick. By short-circuit and no-load tests the well-known equivalent circuit is converted into a more convenient one for calculations, and after making a number of calculations to determine the scale factors a combined circle diagram is drawn. Then the relationship between slip and choke control current is drawn for constant torque. From this relationship characteristics are constructed of the drive with negative feedback according to speed, and the stability of the system is assessed over the entire range of speed control. This method of

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Construction of the ...

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E194/E155

converting the equivalent circuit makes it possible to obtain an electric circuit with series-connected linear and non-linear elements and to calculate by the usual method the non-linear element connected in the rotor circuit. This method may also be used to construct characteristics when a choke is connected in the stator circuit provided that the magnetization current may be neglected.

[Abstractor's note: Complete translation.]

Card 3/3

ROSENBAULI, O.B., kand.tekhn.nauk; RODIN, R.N., inzh.

Designing a differential magnetic power amplifier with a
combined load. Trudy MAI no.145:105-115 '62. (MIRA 15:9)
(Magnetic amplifiers)

ROSENBAULI, O.B., kand.tekhn.nauk; RCDIN, R.N., inzh.

Calculating characteristics of a phase-sensitive transformer-coupled
magnetic amplifier. Trudy MAI no.145:116-124 '62. (MIRA 15:9)
(Magnetic amplifiers)

ROSENBAULI, O.B., kand. tekhn. nauk; RODIN, R.N., inzh.; FROLOV, B.F., inzh.

Universal diagram for automatized medium voltage electric drives for
the remote control of working machinery units. Obog. 1 bri. ugl. no.9:
70-73 '59. (MIRA 12:9)

(Machinery--Electric driving) (Remote control)

ROSSENBAULI, O.B., kand.tekhn.nauk; RODIN, R.N., inzh.; FROLOV, B.F.,
inzh.

Speed stabilization of asynchronous motors for automatic electric
drive circuits used in coal preparation and briquet plants. Obog.
i brik.ugl. no.10:46-49 '59. (MIRA 13:9)

(Electric motors, induction)

(Coal preparation plants--Electric equipment)

28.1000 (1043, 1031, 1132)

86252
S/103/60/021/011/009/014
B019/B067

AUTHORS: Rosen, Iuli, O. B., Rodin, R. N. (Moscow)

TITLE: Calculation of Stabilizing Circuits of Compounded Electric Drives Using Three-coil Transformers

PERIODICAL: Avtomatika i telemekhanika, 1960, Vol. 21, No. 11, pp. 1525 - 1535

TEXT: The authors describe the calculation of rate stabilizing circuits of compounded d.c. and a.c. drives by means of a special three-coil transformer. The first part deals with the calculation of the three-coil transformer for the stabilization of the number of rotations of a d.c. motor. As may be seen from the circuit diagram shown in Fig.1 a three-coil transformer is used as compounding element of this circuit. The currents and voltages in the transformer circuits are assumed to be sinusoidal. To obtain non-disturbed signals the linear part of the magnetization curve of the transformer is chosen. The speed stabilization of three-phase motors with "Shenfer" rotors and of two-phase motors with thin-wall rotors is made by means of the same transformers and by an additional inductive

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Calculation of Stabilizing Circuits of
Compounded Electric Drives Using
Three-coil Transformers

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B019/B067

resistor X_{μ} which is designed as a choke and connected to the coil R_{μ} .
A nine-point program is set up for the calculation of the transformer
according to which first the starting conditions of the motor are cal-
culated, then K_w is determined as well as W_i and W_u and with the aid of
 K_w , W_2 is determined. Next, the coil currents are calculated, and the
cross sections of the magnetic conductor are determined. The additional
active resistance, the copper weight, and the total weight of the trans-
former are then determined. The transformer characteristics are calculat-
ed by means of equivalent circuit diagrams. Finally, two examples are
described. There are 9 figures, 2 tables, and 1 Soviet reference.

SUBMITTED: April 22, 1959

Card 2/3

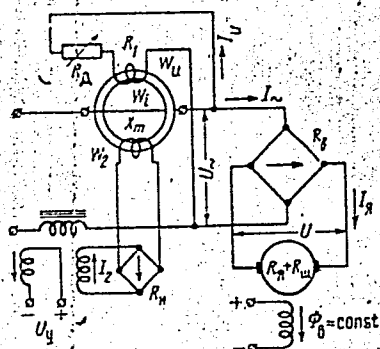


Fig. Pnc. 1

Fig. 1

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B019/B067

Legend to Fig. 1: W_1 is the number of turns of the current coil and W_2 the number of turns of the secondary coil, R_1 the active resistance of the circuit of the voltage coil, R_2 an ohmic resistor, X_m the inductive resistance of the magnetizing circuit, R_3 the active resistance of the secondary coil, R_a and R_{br} armature and brush resistances.

RODIN, R.S.

Characteristics of the distribution of rocks with an increased concentration of iron minerals in a cross section of Mesozoic sediments in the north of the Siberian Platform. Trudy Inst.geol.i geofiz.Sib.otd. AN SSSR no.20:74-80. '63. (MIRA 17:10)

RODIN, R.S.; CILI, I.A.

Sedimentary series of the Mesozoic sediments in the northern part of
the Lena Depression. Trudy Inst.geol.i geofiz.Sib.otd.AN SSSR no.20:39-
48 '63. (MIRA 17:10)

RODIN, R.S.

Phosphate potential of Mesozoic sediments in the northeast of
the Russian Platform. Trudy Inst. geol. i geofiz. Sib. otd. AN
SSSR no.28:71-79 '64. (MIRA 17:11)

RODIN, R.S.

Shapes of quartz albitophyres and andesite-dacites in the southeastern part of the Suchan coal basin. Nauch.dokl.vys.shkoly:geol.-nauki no.4:141-142 '58. (MIRA 12:6)

1. Saratovskiy universitet, Nauchno-issledovatel'skiy institut geologii.

(Suchan basin--Rocks, Igneous)

KHUDYAKOV, G.I.; RODIN, R.S.

Depositional factors of effusive formations in the southwestern part of the Korkino syncline in the Suchan coal basin. Nauch.dokl. vys.shkoly; geol.-geog.nauki no.1:35-36 '59 (MIRA 12:6)

1. Saratovskiy universitet, Nauchno-issledovatel'skiy institut geologii.
(Suchan basin--Rocks, Igneous)

RODIN, R.S.

Find of nepheline syenite in the southeastern part of the
Suchan coal basin. Izv. vys. ucheb. zav.; geol. i razv. 3
no.6:126 Je '60. (MIRA 14:7)

1. Nauchno-issledovatel'skiy institut pri Saratovskom
gosudarstvennom universitete.
(Suchan Basin--Nepheline syenite)